1. DATE - TIME GROUP	2. LOCATION			114			
16 November 64 16/144	DZ 75 Miles NW of Mid	lway, Island					
3. SOURCE Military	10. CONCLUSION Astronomical (METEOR SHOWERS)						
4. NUMBER OF OBJECTS Multiple	No additional data received. Northern Taurids and Leonid Meteor showers active during this period. Leonids have a maximum display on 17 Nov. Sighting likely an observation of a meteor shower.						
S. LENGTH OF OBSERVATION  1440Z - 1555Z	11. BRIEF SUMMARY AND ANALYSIS  Numerous green and yellow pos	sible pyro d	isplay	. First thought			
6. TYPE OF OBSERVATION	to be meteor shower. Flight in many directions.						
Air-Visual		Air Ma	1	二人			
7. COURSE Omni-Directional		ector tospace IN: Arc	PE	4 2			
8. PHOTOS		Sha Sha	NEDLE	00			
XX No		dies las Bra	N TO	至 0			
9. PHYSICAL EVIDENCE  WY No		Inst inch	Ö	1961			

FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

AF IN: 36174 (16 Nov 64)

Pg 2 of 2

UNCLAS

A. JANAP 146D

- 1. CIRVIS REPORT
- 2. NAVY 43219
- 3. NUMEROUS GREEN AND YELLOW POSSIBLE

PYRO DISPLAY. FIRST THOUGHT TO BE

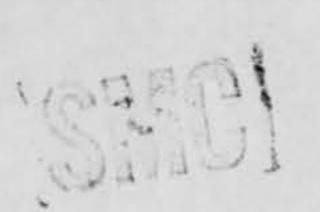
METEOR SHOWERS.

- 4. 75 MILES NORTH AND WEST OF MIDWAY ISLAND.
- 5. 161440Z 1555Z <> / HR. 15 MIN.
- 6. EST. ABOVE 20,000
- 7. OMNI DIRECTIONAL
- 8. UNKNOWN
- 9. NONE

16/1600Z

BT

NOTE: ADV CYS TO DIA, NIN & XOPX XMITTED TO CIA PER HQ FORM 1392 #300.



IN COMING! WESSAGE

## DEPARTMENT OF THE AIR FORCE STAFF MESSAGE BRANCH

OF THE AID FORCE THE AID FORCE UNCLASSIFIED

AF IN': 36174 (16 Nov 64) Ho/am

INFO: NIN-7, XOP-1, XOPX-7, SAF-OS-3, JCS/OSD-1, CMC-9, NSA-7, DIA-15 (51

SMB BØ36

HQA844ZCCJD375

Pg 1 of 2

OO RUEAHQ

DE RUHPF B624 16/1655Z

ZNR

O 161655Z

FM COMBARFORPAC

TO RUHPHH/COMHAWSEAFRON

RUHLKM/CINCPACAF

RUHLKH/HADD KUNIA

ZEN/CINCNORAD

INFO RUECW/CNO

RUEAHQ/COFS USAF

RUHLHQ/CINCPAC

RUHLHL/CINCPACFLT

RUHLHS/CINCUS ARPAC

RUHLKSA / PACAF BASECOM COMMAND CENTER HICKAM AFB

RUECW/SECNAV

BT

STREAM '	Date at Maximum	Extreme	Radiand F.A. Declination /750	Vel. in Atmos. km sec-1		Transit of Padi
Quadrantids	Jan. 3	Jan 1-4	230 / 48	38.5	VISUAL 30	Ah 2Am
Aurigids	Feb. 9	5 Days(?)	75 / 42		5	19h 43m
Virginids	Mar 13	16 Days(?)	183 / 4	30.8	1 (?)	Oh 49m
Lyrids	Apr 22	2 Days	270 / 33	1, a . L	5	3h 59m
Aquarids	May 4	10 Days	336 7 0	611	5	7h 36m
Arietids	June 8	May 29- June 18	44 723	3R.O		9h 51m ·
Perseids	June 9	June 1-16	62 + 23	28.9		10h 59m
Taurids	June 30	June 24- July 6 -	86 / 19	31.1		11h 12m
Aquarids	July 28	July 24- Aug 7	339 - 17	40.5	10	2h 14m
Perseids	Aug. 12	July 29- Aug 17	46 + 58	59.2	37	5h 43m
Orionids		Oct 18-26	94 / 16	65.5	13	lih 12m
Southern Taurids	Nov. 1	Oct 27- Nov 22	51 / 14	28.1	5	Oh 40m
Northern Faurids	Nov 12	Oct 17- Dec 2	52 / 21	29.5	5	Oh 1m
Leonids	Nov 17	5 Days	152 4. 52	70.8	6	6h 22m
Geminids		Dec 7-15		35.9	55	2h 12m
Ursids		Dec 22-23		37.4	15	Rh 2lim
		1	Periodic St			
Diacobinids	Oct 10 1959	l Bay		23.1	7500	16h 13m

The above taken from HANDBOOK OF CEOPHYSICS, Revised Edition, 1960, ARDC.